

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A learner individual study schedule document generating and providing system for supporting a teacher's work of providing an individual learner having a clear target with teaching materials suitable for a learner characteristic according to variations in study growth stage, comprising:

an access server ~~to be~~ connected to a communication network,

a study menu Web server ~~that is~~ electrically connected to the access server,

a learner-by-learner study menu generation server ~~that is~~ electrically connected to the study menu Web server and that saves and presents a study menu to a learner concerning a subject to be studied,

a learner study history database ~~that is~~ electrically connected to the learner-by-learner study menu generation server,

a learner database ~~that is~~ electrically connected to the learner study history database,

a teacher terminal ~~that is~~ electrically connected to the learner-by-learner study menu generation server,

a study material link information database ~~that is~~ electrically connected to the learner-by-learner study menu

generation server and ~~stores~~ storing study material in the subject to be studied,

a study schedule document database ~~that is~~ electrically connected to the learner-by-learner study menu generation server, and

one of a telephone, a FAX, a scanner, a camera, and a microphone ~~that are~~ electrically connected to the teacher terminal, wherein,

the learner-by-learner study menu generation server has a function of

1) selecting plural study materials in the subject to be studied according to predetermined selection criteria based on i) a target learning level for the learner, ii) a date when the target level should be attained by the learner, iii) a current degree of proficiency of the learner in the subject to be studied, and iv) a study characteristic of the learner, and

2) presenting to the learner, in a time-distributed manner, each of the plural selected study materials, the time-distribution being based on a present study growth stage of the learner, the present study growth stage being determined as a function of scholastic ability based on study time in the subject, changes in the study characteristic, and a progress in transitioning to independent study,

present study growth stages being defined by

i) an initial first stage where a study dependency is high and a study characteristic is high,

ii) a second stage where scholastic ability starts to increase and the study characteristic decreases,

iii) a third stage where the scholastic ability increases and the study characteristic becomes unstable, and

iv) a final forth stage where the scholastic ability and the study characteristic increase, and

a study schedule is based on a learning curve defined as $y=ax+b$, where 'a' is the study characteristic of the learner, 'x' is the study time of the learner, and 'b' is the degree of study proficiency at the start of study, and an amount of study required for the study schedule is determined as of the integral of the learning curve.

2. (original) The learner individual study schedule document generating and providing system according to claim 1, characterized in that the communication network is one or a combination of the Internet, a public lines, dedicated lines, and a radio channel.

3. (currently amended) The learner individual study schedule document generating and providing system according to claim 1, ~~characterized in that~~ wherein the access server is a server that allows access only to an authenticated and permitted learner ~~to make access~~ using an identification code.

4. (currently amended) The learner individual study schedule document generating and providing system according to

claim 1, ~~characterized in that~~ wherein the study menu Web server is a web server on which a schedule for an individual who has gained access is displayed.

5. (cancelled)

6. (currently amended) The learner individual study schedule document generating and providing system according to claim 1, ~~characterized in that~~ wherein the study characteristic of the learner is a characteristic that depends on ~~presence/absence and~~ a degree of interest in what the learner studies, a degree of eagerness of the learner about what the learner studies, a degree of attitude toward study, and a genetic suitability for what the learner studies ~~that is determined by genes~~.

7. (currently amended) The learner individual study schedule document generating and providing system according to claim 1, ~~characterized in that~~ wherein the learner database is a database formed by a target study level, a date when the target study level is scheduled to be reached, a name of the learner, an address of the learner, a telephone number of the learner, a FAX number of the learner, an e-mail address of the learner, a school or some other party to which the learner belongs, a position of the learner in the school or the party, recent results of the learner, a name of a protector of the learner, genetic

information of the learner, and degree-of-proficiency-of-study information.

8. (currently amended) The learner individual study schedule document generating and providing system according to claim 1, ~~characterized in that~~ wherein the learner study history database is formed by a current study schedule of the learner, a study progress result of the learner, a study characteristic that is extracted from the study progress result of the learner, a current degree of proficiency of study, a study time of each study, and a study execution process.

9. (currently amended) The learner individual study schedule document generating and providing system according to claim 1, ~~characterized in that~~ wherein the study material link information database is formed by study material link information by study items, study material link information by study targets, and study material useful link information, and is used in selecting a study schedule document of the learner.

10. (currently amended) The learner individual study schedule document generating and providing system according to claim 1, ~~characterized in that~~ wherein the study schedule document database is formed by a list of schedule tables in each of which an effective study method for attaining each of study process purposes obtained by breaking down each study purpose is shown in such a manner that study materials are arranged in date

order and study order, and is used in selecting a study schedule document of the learner.

11. (currently amended) The learner individual study schedule document generating and providing system according to claim 1, ~~characterized in that~~ wherein the teacher terminal is connected to a telephone, a FAX, a scanner, a camera, and a microphone, and has a function of notifying the learner about a start of study and a function of urging a person who has not ~~studied~~ studying yet to begin study, and can be used in manually modifying a schedule for the learner, guiding the learner, and generating materials by characteristics.

12. (currently amended) A learner individual study schedule document generating and providing method for supporting a teacher's work of providing an individual learner having a clear target with teaching materials suitable for a learner characteristic according to variations in study growth stage, comprising the steps of:

an access server's performing an authentication operation for the learner and allowing only an authenticated person to make access;

the learner's inputting a study target level in having learner information registered in a learner database;

the learner's inputting current states of the learner;
and

inputting gene information of the learner, wherein,

said input study target level, input current states of the learner, and input gene information is stored in a database, and

the study growth stage is defined by

i) an initial first stage where a study dependency is high and a study characteristic is high,

ii) a second stage where scholastic ability starts to increase and the study characteristic decreases,

iii) a third stage where the scholastic ability increases and the study characteristic becomes unstable, and

iv) a final forth stage where the scholastic ability and the study characteristic increase.

13. (currently amended) A learner individual study schedule document generating and providing method comprising:

a study schedule document database generation step of a teacher's forming and storing a list of schedule tables in each of which an effective study method for attaining each of study process purposes obtained by breaking down each study purpose is shown in such a manner that study materials are arranged in date order and study order;

a step of extracting degree-of-proficiency-of-study information of a learner at a start of study from a learner database;

a step of extracting a study target of the learner from the learner database;

a step of extracting a study characteristic of the learner from the learner database;

a step of determining basic study items of the learner based on the learner database;

a step of determining an amount of study and a study schedule of the learner based on the learner database; ~~and~~

a study menu Web page generation step presenting the learner with a display of a schedule; and,

calculating a learning curve as a integral of the extract degree-of-proficiency-of-study information and an amount of study time.

14. (currently amended) A learner individual study schedule document generating and providing method comprising the steps of:

a learner's receiving a study start time notice;

the learner's accessing an access server from a learner terminal via a communication network and having himself authenticated;

the learner's accessing a study menu Web server via the access server and causing the learner terminal to display a learner schedule of a day;

the learner's studying according to instructions in the learner schedule of the day; and

the learner's sending results of the study made at the preceding step to the study menu Web server by a preset deadline, wherein,

learner study materials are presented to the learner in a time-distributed manner based on a study growth stage of the learner, the study growth stage being determined as a function of scholastic ability based on study time in the subject, changes in the study characteristic, and a progress in transitioning to independent study,

the study growth stage being defined by

i) an initial first stage where a study dependency is high and a study characteristic is high,

ii) a second stage where scholastic ability starts to increase and the study characteristic decreases,

iii) a third stage where the scholastic ability increases and the study characteristic becomes unstable, and

iv) a final fourth stage where the scholastic ability and the study characteristic increase.

15. (currently amended) A learner individual study schedule document generating and providing method characterized by comprising the steps of:

a teacher's necessarily checking study results ~~after~~ reported by a learner reports those;

a reporting date of the study results of the learner being ~~different from~~ later than a preset deadline, and a learner-by-learner study schedule generation server's modifying a schedule in accordance with the deadline and storing the modified schedule;

examining instruction contents that were determined in the result report;

based on the set learner-by-learner study schedule generation server providing proper instruction contents, modifying the instruction contents; and

based on a late result reporting having occurred plural times ~~or report contents having a problem~~, changing one or a combination of contents of study materials, the study schedule, and the teacher, and storing the change ~~being stored~~.

16. (currently amended) A learner individual study schedule document generating and providing method characterized by comprising the steps of:

a teacher's providing first study guidance specifying study items and study materials at an initial stage where a study dependency is high and a study characteristic is high, the first study guidance being stored on a server;

the teacher's providing second study guidance by performing specification of study items and study materials as well as advising and motivating at a second stage where scholastic ability starts to increase and the study characteristic decreases, the second study guidance being stored on the server;

the teacher's providing third study guidance by performing only advising and motivating at a third stage where the scholastic ability increases and the study characteristic

becomes unstable, the third study guidance being stored on the server; and

the teacher's providing forth study guidance by performing only passive guidance at a final stage where the scholastic ability and the study characteristic increase, the ~~third~~ forth study guidance being stored on the server.